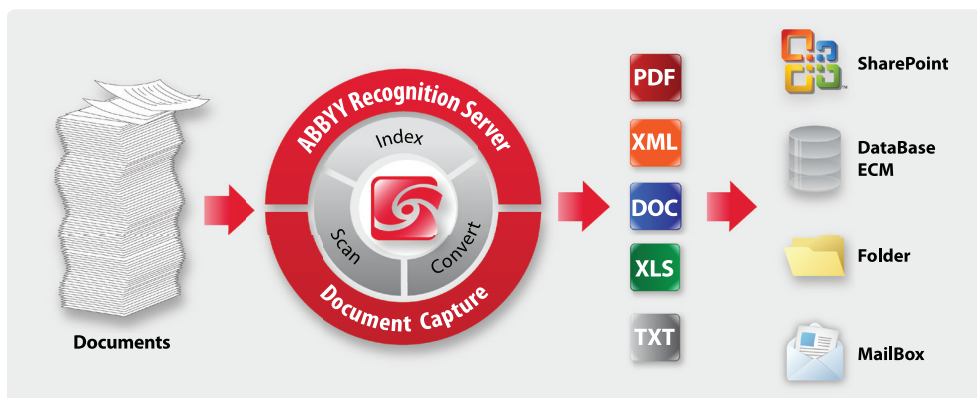# ABBYY Recognition Server

Automated Document Capture and PDF Conversion

ABBYY Recognition Server delivers powerful server-based OCR for automated document capture and PDF conversion. Designed for mid- to high-volume document processing, it is used by organizations and scanning service providers as a cost-efficient tool for converting paper and image documents into electronic files suitable for search and long-term digital archiving.

Automatically obtaining images from scanners, file servers, fax and e-mail servers, and Microsoft® SharePoint® libraries, Recognition server performs optical character recognition and allows adding metadata. The results are delivered directly to network folders, SharePoint libraries or other document storage and management systems. The wide range of output formats includes MRC-compressed searchable PDF or PDF/A files, XML data, editable documents such as Microsoft Word and Excel® files or plain text files.

KEY FEATURES

State of the Art OCR Technology

Powered by ABBYY's award-winning OCR technology, ABBYY Recognition Server delivers fast and accurate results in 199 languages and ensures precise text extraction even from low quality faxes and scans.

Unmatched Volume Scalability

ABBYY Recognition Server successfully completes projects where millions of documents need to be converted in a short timeframe. Processing power can be easily expanded by using multiple servers and CPUs.

Cost-Saving Simplicity

ABBYY Recognition Server remains easy to deploy and administer. Software configuration takes minutes; OCR and document conversion processes run automatically and require no end user involvement.

Unlimited Client Access

ABBYY Recognition Server does not limit the number of users or client applications. A single installation can serve multiple business processes and clients from within or outside your organization.

Applications

Document Conversion for Long-Term Digital Archiving

Digitize extensive paper collections and convert image documents into full-text-searchable electronic formats such as PDF, PDF/A, or XML suitable for archiving, e-discovery, and enterprise-wide search. ABBYY Recognition Server can be used for conversion of large document backlogs as well as for processing documents on an ongoing basis.

An Enterprise-Level Document Conversion Service

Deploy a robust on-demand OCR and document conversion service for workgroups, an entire organization or multiple subscription clients. ABBYY Recognition Server can be installed on premises, hosted remotely or used as a web service in the cloud. Users can access the service at any time and from any environment, including e-mail, scanners and MFPs.

Creation of Full-Text Searchable SharePoint Libraries

Make scanned or faxed TIFFs and PDFs stored in your Microsoft SharePoint libraries "visible" to the search engine. With ABBYY Recognition Server, all existing and newly added images can be made full-text searchable and included in the search index.

ABBYY® Recognition Server™

Functionality

Input:

Scanning (TWAIN, WIA, ISIS)
Scanning functionality is provided via the out-of-the-box Scanning Station or integration with network scanners and MFPs.

Crawling of network shares and SharePoint libraries
Newly added image files in SharePoint libraries are automatically detected and made full-text searchable.

Remote folder watching (FTP or local network)
Images from defined "hot" folders on LAN or FTP servers are automatically imported for processing.

Mailbox watching (Exchange, POP3)
Built-in integration with email servers allows processing faxed and emailed images right from the inbox.

Processing:

Scheduled processing
Different kinds of documents can be processed at different times per defined processing schedule.

Load balancing
The workload is dynamically distributed among multiple processing stations to ensure fast and failsafe processing.

Barcode recognition
Most popular 1D and 2D barcodes, including PDF417 and QR Code are automatically recognized.

Document separation
Batches can be split into documents by fixed number of pages, blank pages, patch codes, barcodes, or scripted rules.

Automated and manual indexing
Document types and attributes can be assigned to documents either by an Indexing operator or by a script.

Thorough and conditional verification
Full-document verification can be enabled for all pages or based on the accuracy threshold.

Output:

Multiple output formats
Documents can be converted into a variety of formats, including Searchable PDF, PDF/A, XML, plain text, and Microsoft Office files.

Advanced PDF creation features
Enhanced MRC compression, creation of bookmarks, PDF encryption, injection of text in existing PDF files and more.

Publishing to SharePoint
Converted documents can be automatically uploaded in SharePoint libraries; document versioning is supported.

Publishing to network folders
The original folder structure is automatically mirrored in the output; the names of output files can be formed using barcodes, document type names, etc.

Sending by e-mail
Converted documents can be delivered back to the sender or to a list of specified recipients.

Flexible document routing
Documents can be routed to folders based on their types or metadata. Routing destinations can also be flexibly defined by scripts.

ABBYY Recognition Sever can be used as an independent standalone server or integrated with other systems and client applications via COM-based API, Web Service API and XML files (XML Tickets). Out of the box integration with Microsoft SharePoint Server and Google Search Appliance is provided.

System Requirements

- PC with a 1 GHz or higher processor
- Operating system: Windows 8/8.1, Windows Server 2012, Windows 7, Microsoft Windows Server 2008, Windows Vista®
- 2 GB of RAM and an additional 300 MB for each recognition process
- 2 GB of hard-disk space
- Microsoft .NET Framework 2.0 or later
- Microsoft Outlook 2000 or later (for processing and sending e-mails)

Specifications

Input formats: BMP, PCX, JPEG, JPEG2000, PNG, TIFF, DjVu, DCX, PDF (including PDF/A)

OCR: 199 languages, including Chinese, Japanese, Korean, Arabic, Hebrew and Thai

Barcodes: 1D barcodes, including EAN, Check, IATA, UCC and UPC; 2D barcodes, including PDF417, AZTEC, Data Matrix and QR Code

Output Formats: PDF, PDF/A, RTF, DOC, DOCX, XLS, XLSX, TXT, CSV, HTML, TIFF, JPEG, JPEG 2000, XML

Integration: Scripting, Web Service API, COM API, XML Tickets

Connectors: Google Search Appliance, Microsoft SharePoint Server

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Learn More at www.ABBYY.com/recognition_server

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